

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

nt Application of

PAUL C. KOCHER et al.

Application No.: 10/005,105

Filed: December 3, 2001

For: DIFFERENTIAL POWER ANALYSIS

METHOD AND APPARATUS

Confirmation No.: 1675

Group Art Unit: 2132

Examiner: Justin T. Darrow

Attorney Docket No 44424162-8721

SUPPLEMENTAL INFORMATION DISCLOSURE **STATEMENT**

413 non

SONNENSCHEIN NATH & ROSENTHAL LLP Customer No. 26263

M/S AMENDMENT Commissioner for Patents P.O. Box 1450 Arlington, VA 22313-1450

CERT	IFICATE	OF MA	AILING

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SONNENSCHEIN NATH & ROSENTHAL LLP

Sir:

Applicant(s) submit(s) herewith patents, publications or other information [attached hereto and listed on the attached Form PTO-1449 (modified)] of which they are aware, which they believe(s) may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

This Information Disclosure Statement:

- (a) accompanies the new patent application submitted herewith. 37 CFR § 1.97(a).
- (b) is filed within three months after the filing date of the application or within three months after the date of entry of the national stage of a PCT application as set forth in 37 CFR § 1.491.
- (c) as far as is known to the undersigned, is filed before the mailing date of a first Office Action on the merits, or before a first office action after filing a Request for Continued Examination under §1.114.

(d) [is filed after the first office action and more than three months after the
	application's filing date or PCT national stage date of entry filing but, as far as is
	known to the undersigned, prior to the mailing date of either a final rejection or a
	notice of allowance, whichever occurs first, and is accompanied by either the fee
	(\$180) set forth in 37 CFR § 1.17(p) or a certification as specified in 37 CFR §
	1.97(e), as checked below.

(e) is filed after the mailing date of either a final rejection or a notice of allowance, whichever occurred first, and the Issue Fee has not been paid, and is accompanied by the fee (\$130) set forth in 37 CFR § 1.17(i)(1) and a certification as specified in 37 CFR § 1.97(e), as checked below. This document is to be considered as a petition requesting consideration of the information disclosure statement.

A list of the patent(s) or publication(s) is set forth on the attached Form PTO-1449 (Modified). A copy of the items on PTO-1449 (Modified) is supplied herewith, except for issued United States Patents and Published United States Patent Applications.

A concise explanation of relevance of the items listed on form PTO-1449 (Modified) is:

(h)	\boxtimes	not given
(i)		given for each listed item
(j)		given for only non-English language listed item(s) [Required]
(k)		is in the form of an English language copy of a Search Report from a foreign
		patent office, issued in a counterpart application, which refers to the relevant

The Examiner is reminded that a "concise explanation of the relevance" of the submitted items "may be nothing more than identification of the particular figure or paragraph of the patent or publication which has some relation to the claimed invention," MPEP § 609.

portions of the references [copy attached].

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR § 1.56(a) exists. It is submitted that the Information Disclosure Statement

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complies with 37 CFR § 1.98 and MPEP § 609 and the Examiner is respectfully requested to consider the listed references.

The Commissioner is hereby authorized to charge our Deposit Account No. 19-3140, for any fees required in connection with the filing of this Information Disclosure Statement. A duplicate copy of this Notice is enclosed for this purpose. In particular, in the event that an Office Action has crossed in the mail with this Information Disclosure Statement, the Commissioner is authorized to charge the above-named deposit account for any fees required pursuant to CFR §§ 1.17(p) or 1.17(i)(1).

Respectfully submitted,

SONNENSCHEIN NATH & ROSENTHAL LLP

Dated: 7/28/05

Jeffrey Brill

Reg. No. 51,198

Attorneys for Applicant(s)

Atty Docket No.: 44424162-8721

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of info unless it contains a valid OMB control number. Complete if Known or form 1449A/PTO 10/005,105 **Application Number** INFORMATION DISCLOSURE December 3, 2001 Filing Date STATEMENT BY APPLICANT Paul C. Kocher First Named Inventor 2132 Group Art Unit Justin T. Darrow (use as many sheets as necessary) **Examiner Name** 44424162-8721 3 Attorney Docket No.r Sheet U.S. PATENT DOCUMENTS Pages, Columns, Lines, Name of Patentee or Where Relevant Passages or **Document Number Publication Date** Cite Examiner **Applicant of Cited Document** MM-DD-YYYY Relevant Figures Appear Number-Kind Code^{2 (if known)} Initials* No.1 07/08/1980 Michel Ugon 4,211,919 Michel Ugon 4,295,041 10/13/1981 Jacek Kowalski 04/10/1990 4,916,333 Serge Fruhauf et al. 06/05/1990 4,932,053 John H. Dunlavy 03/22/1994 5,297,201 Ran Canetti et al. 05/02/1995 5,412,723 James H. Hesson et al. 06/03/1997 5,636,157 11/23/1999 Adi Shamir 5,991,415 08/13/2002 David Chaum et al. 6,434,238 B1 Nathalie Feyt et al. 6,698,662 B1 03/02/2004 FOREIGN PATENT DOCUMENTS Pages, Columns, Lines, **T**6 Name of Patentee or Foreign Patent Number **Publication Date** Where Relevant Passages or Cite No.1 Evaminer Applicant of Cited Document MM-DD-YYYY Relevant Figures Appear Initials* Country Code³ Number⁴ Kind Code⁵ (if known)

Examiner	Date
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unque citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449B/PTO		PTO		Complete if Known	
		Application Number	10/005,105		
INFORMATION DISCLOSURE			.OSURE	Filing Date	December 3, 2001
STA	STATEMENT BY APPLICANT		First Named Inventor	Paul C. Kocher	
		Group Art Unit	2132		
(use as many sheets as necessary)			s as necessary)	Examiner Name	Justin T. Darrow
Sheet	2	of	3	Attorney Docket No.	44424162-8721

		OTHER ITEMS – NON PATENT LITERATURE DOCUMENTS	_				
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book magazine journal serial symposium, catalog, etc.), date, page(s), volume-issue number(s),					
		BACK, Adam, "Non-Interactive Forward Secrecy" 09/06/1996					
		BELL, Jim, "Spread-Spectrum Computer Clock?" Google Beta Groups					
		BELLARE et al., "Optimal Asymmetric Encryption", Advanced Networking Laboratories, 1998, pp 92-111, Springer-Verlag, U.S.A.					
	BELLARE et al, "The Exact Security of Digital Signatures- How to Signature Notes in Computer Science, Vol. 1070, pp 1-16, U. Maurer ed. Springer-Verlag, 1996						
		BELLARE et al, "Forward Integrity For Secure Audit Logs", pp 1-16, November 23, 1997, U.S.A.					
		FRANKEL et al., "Optimal-Resilience Proactive Public-Key Cryptosystems" IEEE Symposium on Foundations of Computer Science, 1997					
		FRANKEL et al., "Proactive RSA", Lecture Notes in Computer Science, 1996					
		HERZBERG et al, "Proactive Public Key and Signature Systems", ACM Conference on Computer and Communications Security, 1996					
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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of info unless it contains a valid OMB control number. Complete if Known form 1449B/PTO Substitute 10/005,105 **Application Number** December 3, 2001 INFORMATION DISCLOSURE Filing Date STATEMENT BY APPLICANT Paul C. Kocher First Named Inventor 2132 Group Art Unit Justin T. Darrow (use as many sheets as necessary) **Examiner Name** 44424162-8721 of Attorney Docket No. 3 Sheet OTHER ITEMS - NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the T² item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), Examiner Cite No.1 publisher, city and/or country where published. Initials* MENZES et al, "Pseudorandom Bits and Sequences", Handbook of Applied Cryptography, CRC Press, Chapter 5, pp 169-190, 1996 MENZES et al, "Efficient Implementation", Handbook of Applied Cryptography, CRC Press, Chapter 14, pp 591-634, 1996 RIVEST, Ronald, "Timing Cryptanalysis of RSA, DH, DDS" Google Beta Groups

Date Examiner Considered Signature

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